

01-26-01

JC961 U.S.2 P10

PTO/SB/05 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032

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**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

| | |
|-------------------------------|--|
| <i>Attorney Docket No.</i> | 99E052 |
| <i>First Inventor</i> | FIJOL, John J. |
| <i>Title</i> | Liquid Crystal Device and Manufacturing Method |
| <i>Express Mail Label No.</i> | EL 588 237 396 US |

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

- | | | |
|----|--|--|
| 1. | <input checked="" type="checkbox"/> | Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing) |
| 2. | <input type="checkbox"/> | Applicant claims small entity status. See 37 CFR 1.27. |
| 3. | <input checked="" type="checkbox"/> | Specification [Total Pages 16] <i>(preferred arrangement set forth below)</i> <ul style="list-style-type: none"> - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (<i>if filed</i>) - Detailed Description - Claim(s) - Abstract of the Disclosure |
| 4. | <input checked="" type="checkbox"/> | Drawing(s) (35 U.S.C. 113) [Total Sheets 5] |
| 5. | Oath or Declaration [Total Pages 2] | |
| a. | <input checked="" type="checkbox"/> | Newly executed (original or copy) |
| | <input type="checkbox"/> | Copy from a prior application (37 CFR 1.63 (d)) <i>(for continuation/divisional with Box 18 completed)</i> |
| i. | <input type="checkbox"/> | <u>DELETION OF INVENTOR(S)</u> Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). |
| 6. | <input type="checkbox"/> | Application Data Sheet. See 37 CFR 1.76 |

ADDRESS TO: Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

7. CD-ROM or CD-R in duplicate, large table or Computer Program (*Appendix*)
 8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
 - a. Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. CD-ROM or CD-R (2 copies); or
 - ii. paper
 - c. Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. Assignment Papers (cover sheet & document(s))
10. 37 CFR 3.73(b) Statement
(when there is an assignee) Power of Attorney
11. English Translation Document *(if applicable)*
12. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS
13. Preliminary Amendment Citations
14. Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
15. Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. Request and Certification under 35 U.S.C. 122
(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. Other: _____

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation Divisional Continuation-in-part (CIP) of prior application No.: /

Prior application information: _____ **Examiner** _____ **Group Art Unit:** _____
For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference.

18. CORRESPONDENCE ADDRESS

| | | | | | |
|--------------------------|---|---|------------|-------------------------------------|------------------------------|
| <input type="checkbox"/> | Customer Number or Bar Code Label | (Insert Customer No. or Attach bar code label here) | or | <input checked="" type="checkbox"/> | Correspondence address below |
| Name | Raytheon Company | | | | |
| Address | 2000 East El Segundo Boulevard, Bldg. EO/E01/E150 | | | | |
| | P. O. Box 902 | | | | |
| City | El Segundo | State | CA | Zip Code | 90245 |
| Country | USA | Telephone | 8055622108 | Fax | 805562412 |
| Name (Print/Type) | William C. Schubert | Registration No. (Attorney/Agent) | | | 30,102 |
| Signature |  | | | Date | 1-22-2001 |

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Attachments

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FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$ 830)

Complete if Known

| | |
|----------------------|----------------|
| Application Number | |
| Filing Date | |
| First Named Inventor | FIJOL, John J. |
| Examiner Name | |
| Group Art Unit | |
| Attorney Docket No. | 99E052 |

METHOD OF PAYMENT

1. The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number **500616**
Deposit Account Name **RAYTHEON COMPANY**

Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

Applicant claims small entity status. See 37 CFR 1.27

2. Payment Enclosed:

Check Credit card Money Order Other

FEE CALCULATION

1. BASIC FILING FEE

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description |
|----------------------------|----------------------------|------------------------|
| 101 | 710 | Utility filing fee |
| 106 | 320 | Design filing fee |
| 107 | 490 | Plant filing fee |
| 108 | 710 | Reissue filing fee |
| 114 | 150 | Provisional filing fee |

Fee Paid
710

SUBTOTAL (1) (\$ 710)

2. EXTRA CLAIM FEES

| Total Claims | Independent Claims | Multiple Dependent | Extra Claims | Fee from below | Fee Paid |
|--------------|--------------------|--------------------|--------------|----------------|----------|
| 04 | -20** = 0 | | X 18 | = 0 | |
| 04 | -3** = 01 | | X 80 | = 80 | |
| | | | | 0 | 0 |

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description |
|----------------------------|----------------------------|--|
| 103 | 18 | Claims in excess of 20 |
| 102 | 80 | Independent claims in excess of 3 |
| 104 | 270 | Multiple dependent claim, if not paid |
| 109 | 80 | ** Reissue independent claims over original patent |
| 110 | 18 | ** Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$ 80)

| Fee Code (\$) | Fee Code (\$) | Fee (\$) | Fee Description | Fee Paid |
|---------------------------|---------------|----------|---|----------|
| 105 | 130 | 205 | 65 Surcharge - late filing fee or oath | |
| 127 | 50 | 227 | 25 Surcharge - late provisional filing fee or cover sheet | |
| 139 | 130 | 139 | 130 Non-English specification | |
| 147 | 2,520 | 147 | 2,520 For filing a request for ex parte reexamination | |
| 112 | 920* | 112 | 920* Requesting publication of SIR prior to Examiner action | |
| 113 | 1,840* | 113 | 1,840* Requesting publication of SIR after Examiner action | |
| 115 | 110 | 215 | 55 Extension for reply within first month | |
| 116 | 390 | 216 | 195 Extension for reply within second month | |
| 117 | 890 | 217 | 445 Extension for reply within third month | |
| 118 | 1,390 | 218 | 695 Extension for reply within fourth month | |
| 128 | 1,890 | 228 | 945 Extension for reply within fifth month | |
| 119 | 310 | 219 | 155 Notice of Appeal | |
| 120 | 310 | 220 | 155 Filing a brief in support of an appeal | |
| 121 | 270 | 221 | 135 Request for oral hearing | |
| 138 | 1,510 | 138 | 1,510 Petition to institute a public use proceeding | |
| 140 | 110 | 240 | 55 Petition to revive - unavoidable | |
| 141 | 1,240 | 241 | 620 Petition to revive - unintentional | |
| 142 | 1,240 | 242 | 620 Utility issue fee (or reissue) | |
| 143 | 440 | 243 | 220 Design issue fee | |
| 144 | 800 | 244 | 300 Plant issue fee | |
| 122 | 130 | 122 | 130 Petitions to the Commissioner | |
| 123 | 50 | 123 | 50 Processing fee under 37 CFR 1.17(q) | |
| 126 | 180 | 126 | 180 Submission of Information Disclosure Stmt | |
| 581 | 40 | 581 | 40 Recording each patent assignment per property (times number of properties) | 40 |
| 146 | 710 | 246 | 355 Filing a submission after final rejection (37 CFR § 1.129(a)) | |
| 149 | 710 | 249 | 355 For each additional invention to be examined (37 CFR § 1.129(b)) | |
| 179 | 710 | 279 | 355 Request for Continued Examination (RCE) | |
| 169 | 900 | 169 | 900 Request for expedited examination of a design application | |
| Other fee (specify) _____ | | | | |

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 40)

**or number previously paid, if greater; For Reissues, see above

| | | | | | |
|-------------------|----------------------------|-----------------------------------|--------|-----------|------------|
| SUBMITTED BY | Complete (if applicable) | | | | |
| Name (Print/Type) | William C. Schubert | Registration No. (Attorney/Agent) | 30,102 | Telephone | 8055622108 |
| Signature | <i>William C. Schubert</i> | | | | |
| Date | 01-23-2001 | | | | |

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**REQUEST AND CERTIFICATION
UNDER
35 U.S.C. 122(b)(2)(B)(i)**

First Named Inventor FIJOL, John J.

Title Liquid Crystal Device and Manufacturing Method

Atty Docket Number 99E052

I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122(b).

1-22-2001

Date



Signature

William C. Schubert, Reg. 30,102

Typed or printed name

Express Mail Certificate No. EL588237396US

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**

Burden Hour Statement: This collection of information is required by 37 CFR 1.213(a). The information is used by the public to request that an application not be published under 35 U.S.C. 122(b) (and the PTO to process that request). Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is estimated to take 6 minutes to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.